

# ASSIGNMENT -2-HDFS INTRODCUTION

## TASK 1: Check whether /user/acadgild directory exists or not in the HDFS.

Checked for user directory

```
[acadgild@localhost ~]$ hadoop fs -ls /
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
18/04/14 18:42:24 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 3 items
drwxr-xr-x - acadgild supergroup          0 2018-03-26 12:53 /sample
drwxrwx--- - acadgild supergroup          0 2018-03-26 00:35 /tmp
drwxr-xr-x - acadgild supergroup          0 2018-03-26 00:14 /user
```

Checked for acadgild directory

```
[acadgild@localhost ~]$ hadoop fs -ls /user
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
18/04/14 18:42:37 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 3 items
drwxr-xr-x - acadgild supergroup          0 2018-04-14 18:41 /user/acadgild
-rw-r--r-- 1 acadgild supergroup          79 2018-03-26 00:14 /user/hello.txt
drwxr-xr-x - acadgild supergroup          0 2016-08-12 10:55 /user/hive
```

Created hadoop directory

```
[acadgild@localhost ~]$ hadoop fs -mkdir /user/acadgild/hadoop
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
18/04/14 18:43:20 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
18/04/14 18:43:40 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 4 items
-rw-r--r-- 1 acadgild supergroup          58 2018-03-26 00:31 /user/acadgild/emp
drwxr-xr-x - acadgild supergroup          0 2016-08-18 09:34 /user/acadgild/employee
drwxr-xr-x - acadgild supergroup          0 2018-04-14 18:43 /user/acadgild/hadoop
-rw-r--r-- 1 acadgild supergroup          178 2018-03-26 01:29 /user/acadgild/student
```

## TASK 2: Create a file in HDFS under directory /user/acadgild/hadoop, with name word-count.txt.

Created file word\_count.txt using command

Hadoop fs -touchz /user/acadgild/hadoop/word\_count.txt

```
[acadgild@localhost ~]$ hadoop fs -touchz /user/acadgild/hadoop/word_count.txt
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
18/04/14 19:03:38 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
18/04/14 19:04:17 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 1 items
-rw-r--r-- 1 acadgild supergroup          0 2018-04-14 19:03 /user/acadgild/hadoop/word_count.txt
```

## ASSIGNMENT -2-HDFS INTRODCUTION

```
[acadgild@localhost ~]$ echo "This is the line to end the file appending task" | hdfs dfs -appendToFile - /user/acadgild/hadoop/word_count.txt;
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
18/04/14 21:40:45 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/word_count.txt
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
18/04/14 21:41:05 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Big data is data set that are so voluminous and complex that traditional data processing application software are inadequate to deal with them. Big data challenges include capturing data, storage, data analysis, search, sharing, transfer, visualization, querying, updating, information privacy and data sources. The 3 important concepts of big data are VELOCITY, VARIETY AND VOLUME.

This is the line to end the file appending task
```

**Task 3: Create a file max-temp.txt in local FS with some records and move to /user/acadgild/hadoop path.**

**Created a file max\_temp.txt in /home/acadgild path. Inserted few data in to file and moved the file using below command.**

```
[acadgild@localhost ~]$ hadoop fs -put max_temp /user/acadgild/hadoop
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
18/04/14 19:53:44 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
18/04/14 19:54:08 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 2 items
-rw-r--r-- 1 acadgild supergroup          141 2018-04-14 19:53 /user/acadgild/hadoop/max_temp
-rw-r--r-- 1 acadgild supergroup           0 2018-04-14 19:43 /user/acadgild/hadoop/word_count.txt
[acadgild@localhost ~]$
```

**Task 4:**

**Change the permission of the file /user/acadgild/hadoop/max-temp.txt, such that only the owner and the group members have full control over the file.**

```
[acadgild@localhost ~]$ hadoop fs -chmod 770 /user/acadgild/hadoop/max_temp
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
18/04/14 21:24:08 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop/max_temp
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
18/04/14 21:24:35 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
-rwxrwx--- 1 acadgild supergroup          141 2018-04-14 19:53 /user/acadgild/hadoop/max_temp
[acadgild@localhost ~]$
```